

For Research Use Only

Recombinant Human Cadherin-13 protein (rFc Tag)



Catalog Number: Eg5964

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human Cadherin-13 protein Ser139-Gly693 (Accession# P55290-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
1012

Accession:
P55290-1

Predicted Molecular Mass:
86.4 kDa

SDS-PAGE:
90-115 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Cadherin-13 (CDH13, also known as H-cadherin or T-cadherin) is an atypical member of cadherin family, lacking transmembrane and cytosolic domains and anchored to the exterior surface of the plasma membrane via a GPI anchor. CDH13 is thought to affect cellular behavior largely through its signaling properties. It is highly expressed in heart, and in the CNS, CDH13 is expressed in cerebral cortex, medulla, hippocampus, amygdala, thalamus and substantia nigra. It is often down-regulated in cancerous cells.

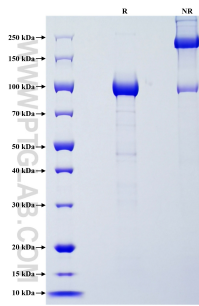
References

1. Philippova, Maria et al. Cellular signalling vol. 21,7 (2009): 1035-44.
2. Paredes, Joana et al. Clinical cancer research : an official journal of the American Association for Cancer Research
3. Xu, Yidong et al. Experimental and therapeutic medicine vol. 18,1 (2019): 841-847.

Synonyms

CDH13, Cadherin 13, CDHH, H cadherin, H-cadherin

Selected Validation Data



Purity of Recombinant Human Cadherin-13 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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